

Title (en)

FILTER DEVICE FOR REMOVING PARTICLES FROM A FLUID

Title (de)

FILTERVORRICHTUNG ZUM ENTFERNEN VON PARTIKELN AUS EINEM FLUID

Title (fr)

DISPOSITIF DE FILTRATION POUR ÉLIMINER DES PARTICULES D'UN FLUIDE

Publication

EP 3983110 A1 20220420 (EN)

Application

EP 20732249 A 20200617

Priority

- NL 2023332 A 20190617
- EP 2020066827 W 20200617

Abstract (en)

[origin: WO2020254446A1] Filter device for removing particles from a fluid, wherein the filter device comprises a fluid chamber and an inlet for fluid, an outlet for filtered fluid and an outlet for particles, each coupled to the fluid chamber, wherein the filter device further comprises a flow directing mechanism for inducing a vortex flow around a vortex axis in said fluid chamber, wherein the outlet for particles is coupled to the fluid chamber at a location substantially perpendicular to the vortex axis.

IPC 8 full level

B01D 45/16 (2006.01); **B01D 21/00** (2006.01); **B01D 21/26** (2006.01); **B01D 29/33** (2006.01); **B01D 29/90** (2006.01); **B01D 45/12** (2006.01); **B04C 3/06** (2006.01); **B04C 9/00** (2006.01)

CPC (source: CN EP IL KR US)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 2020066827 W 20200617; AU 2020296913 A 20200617; BR 112021025405 A 20200617; CA 3141841 A 20200617; CN 202080043998 A 20200617; CN 202410334580 A 20200617; EP 20732249 A 20200617; IL 28892621 A 20211212; JP 2021575265 A 20200617; KR 20227001634 A 20200617; MX 2021015161 A 20200617; NL 2023332 A 20190617; US 202017616284 A 20200617